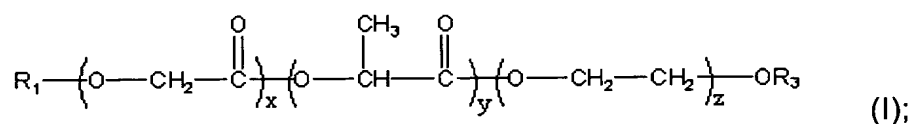


This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

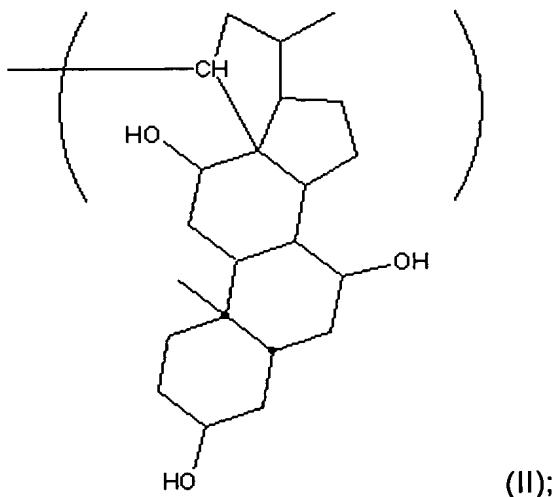
1(currently amended). A biodegradable block copolymer of the following formula (I):



wherein R_1 is hydrogen, or $-C(=O)-R_2$; R_2 is C₇-30 alkyl substituted or unsubstituted with functional groups or hydrogen; R_3 is hydrogen, or C₁-6 alkyl; and x, y or z individually is an integer greater than 0; and said polymer is thermo-sensitive polymer having an LCST ranging from 15°C to 30°C.

2(original). The polymer of claim 1, wherein said R_1 is selected from the group consisting of cholic acid, fatty acid, folic acid and cholesterol.

3(original). The polymer of claim 1, wherein said R_2 is:

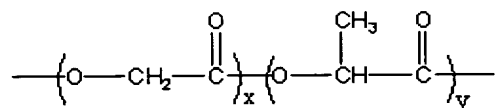


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Amendment dated: January 5, 2006
Reply to OA of: October 5, 2005

4(original). The polymer as claimed in claim 1, wherein said R₃ is methyl.

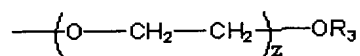
5(original). The polymer as claimed in claim 1, wherein said R₂ is hydrogen, and said polymer is applied for drug releasing or embolic agents.

6(original). The polymer as claimed in claim 1, wherein the molecular weight of the hydrophobic block:



ranges from 1000 to 6000.

7(original). The polymer as claimed in claim 1, wherein the molecular weight of said hydrophilic block:



ranges from 200 to 5000.

8(original). The polymer as claimed in claim 2, wherein x: y: z is 3-18:11-66:4-114.

9(canceled).

10(original). The polymer as claimed in claim 1, wherein said polymer is functioned as an embolic agent.